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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of FLANIGAN *ET AL.* Application No. 10/539,178 National Phase of PCT/US03/40278 Filing Date: June 16, 2005 International Filing Date: December 17, 2003 For: RAPID DIRECT SEQUENCE ANALYSIS OF MULTI-EXON GENES	Group Art Unit: Unassigned Examiner: Unassigned Confirmation No. 2241

INFORMATION DISCLOSURE STATEMENT

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer Number 23859

December 14, 2005

Sir:

Pursuant to the requirements of 37 C.F.R. § 1.56, submitted herewith on the accompanying Information Disclosure Statement List is a listing of documents known to Applicants and/or their attorneys. In accordance with 37 C.F.R. §1.98(a)(2), copies of any cited U.S. patent or U.S. patent application publication documents are not enclosed. Copies of any cited foreign patent document and/or any non-patent publication are enclosed.

This Information Disclosure Statement is believed to be filed in a timely manner pursuant to 37 C.F.R. § 1.97(b)(3), in that a first Office Action on the merits of the present patent application has not yet been mailed to Applicants.

Consideration of the cited documents and making the same of record in the prosecution of the above-referenced application are respectfully requested.

No fee is believed due; however, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

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CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Christopher L. Curfman — December 19, 2005
Date

INFORMATION DISCLOSURE STATEMENT LIST (Use as many sheets as necessary)	Complete if Known	
	Application Number	10/539,178
	Filing Date	June 16, 2005
	First Named Inventor	Flanigan
	Group Art Unit	Unassigned
	Examiner Name	Unassigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate
	A1	6,235,478	05/22/01	Koster	435	6	
	A2	6,043,031	03/28/00	Koster	435	6	

NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	A3	Bashir *et al.*, "A Gene Related to *Caenorhabditis Elegans* Spermatogenesis Factor *fer-1* is Mutated in Limb-Girdle Muscular Dystrophy Type 2B," *Nat. Genet.* 20:37-42 (1998)
	A4	Beggs *et al.*, "Detection of 98% of DMD/BMD Gene Deletions by Polymerase Chain Reaction," *Hum Genet* 86:45-48 (1990)
	A5	Bennett *et al.*, "Detection of Mutations in the Dystrophin Gene Via Automated DHPLC Screening and Direct Sequencing," *BMC Genet* 2:17 (2001)
	A6	Bugert *et al.*, "Exon Amplification Restriction Ligation (EARL): An Efficient Strategy for Direct Sequencing of Exons," *Biotechniques* 30(3):490, 492, 494, 496 (2001)
	A7	Chamberlain *et al.*, "Multiplex PCR for the Diagnosis of Duchenne Muscular Dystrophy. In: Innis MA, Gelfand DH, Sninsky JJ, White TJ (eds) PCR Protocols: A Guide to Methods and Applications," *Academic Press*, San Francisco, pp 272-281
	A8	Connell *et al.*, "Automated DNA Sequence Analysis," *Biotechniques* 5(4): 342-348 (1987)
	A9	Cremonesi *et al.*, "Double-Radient DGGE for Optimized Detection of DNA Point Mutations," *Biotechniques* 22:326-30 (1997)
	A10	Emery, "Population Frequencies of Inherited Neuromuscular Diseases--A World Survey," *Neuromuscul Disord* 1(1):19-29 (1991)
	A11	Ewing *et al.*, "Base-Calling of Automated Sequencer Traces Using *Phred.* I. Accuracy Assessment," Genome Res 8:175-185 (1998)
	A12	Feng *et al.*, "Mutations in the Dystrophin Gene Are Associated With Sporadic Dilated Cardiomyopathy," *Mol Gen Metab* 77:119-126 (2002)
	A13	Guo *et al.*, "Fluorescence Analysis of Genetic Polymorphisms by Hybridization with Oligonucleotide Arrays on Glass Supports," *Nucleic Acids Res* 22(24):5456-5465 (1994)
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	A16	Lander *et al.*, " Initial Sequencing and Analysis of the Human Genome," *Nature* 409:860-921
	A17	Lang *et al.*, "Extensive Genetic Polymorphism in the Human CYP2B6 Gene With Impact On Expression and Function in Human Liver," *Phamacogenetics* 11:399-415 (2001)
	A18	Lu *et al.*, "Massive Idiosyncratic Exon Skipping Corrects The Nonsense Mutation in Dystrophic Mouse Muscle and Produces Functional Revertant Fibers by Clonal Expansion," *J Cell Biol* 148(5):985-995 (2000)
	A19	Mendell *et al.*, "Diagnosis of Duchenne Dystrophy by Enhanced Detection of Small Mutations," *Neurology* 57:645-650 (2001)

Examiner Signature:	Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Examiner Name	Unassigned

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Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)

	A20	Miller and Hoffman "Molecular diagnosis and modern management of Duchenne muscular dystrophy," *Neurol Clin* 12(4):699-725 (1994)
	A21	Nielson *et al.*, "Sequence-selective recognition of DNA by strand displacement with a thymine-substituted polyamide," *Science* 254(5037):1497-1500 (1991)
	A22	Pease *et al.*, "Light-Generated Oligonucleotide Arrays For Rapid DNA Sequence Analysis," *Proc Natl Acad Sci* 91:5022-5026 (1994)
	A23	Richard *et al.*, "Calpainopathy – A Survey of Mutations and Polymorphisms," *Am. J. Hum. Genet.* 64:1524-40 (1999)
	A24	Roberts *et al.* "Searching for the 1 in 2,400,000: A Review of Dystrophin Gene Point Mutations," *Hum Mutat* 4:1-11 (1994)
	A25	Roest *et al.*, "Protein Truncation Test (PTT) To Rapidly Screen The DMD Gene For Translation Terminating Mutations," *Neuromuscul Disord* 3(5/6):391-394 (1993)
	A26	Stimpson *et al.*, "Real-Time Detection of DNA Hybridization and Melting on Oligonucleotide Arrays by Using Optical Wave Guides," *Proc. Natl. Acad. Sci.* 92:6379-6383 (1995)
	A27	Trainor, "DNA Sequencing, Automation, and the Human Genome", *Anal. Chem.*, 62:418-426 (1990)
	A28	Tuffery-Giraud *et al.*, "Point Mutations in the Dystrophin Gene: Evidence for Frequent Use of Cryptic Splice Sites As A Result of Splicing Defects," *Hum Mutat* 14:359-368 (1999)
	A29	White *et al.*, "Comprehensive Detection of Genomic Duplications and Deletions in the DMD Gene, By Use of Multiplex Amplifiable Probe Hybridization," *Am J Hum Genet* 71:365-74 (2002)
	A30	Wilton *et al.*, "Dystrophin Gene Transcripts Skipping the mdx Mutation," *Muscle Nerve* 20:728-34 (1997)

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